

Amendments to the Claims:

Please amend Claims 1, 2, 4 through 6, and 9 through 11 to read, as follows.

1. **(Currently Amended)** An image forming apparatus comprising:

charging means for charging an image bearing member;

exposure means for exposing the ~~the~~ ~~[[said]]~~ image bearing member, which ~~member~~
~~that~~ has been charged to form an electrostatic latent image;

developing means for developing the ~~the~~ ~~[[said]]~~ electrostatic latent image with
developer;

transferring means, to which a transferring bias under constant voltage control is
applied, for transferring a developer image on the image bearing member onto an other
member;

test pattern forming means for forming a test pattern for image control on the
~~[[said]]~~ image bearing member by supplying developer by said developing means on ~~[[to]]~~
an area of the ~~on said~~ image bearing member in which charging by said charging means is
effected and exposure by said exposure means is not effected;

test pattern detection means for detecting the test pattern, which ~~pattern that~~ has
been transferred to the other member by said transferring means; and

control means for setting a value of the transferring bias upon transferring of the
test pattern onto the other member in accordance with a surface potential of the ~~the~~ ~~[[said]]~~
image bearing member upon formation of the test pattern.

2. **(Currently Amended)** An image forming apparatus according to claim 1, wherein said control means sets a value of V_{tr} in such a way that a potential difference between V_l and V_{tr} is substantially equal to a potential difference between V_d and V_{tr}

where: ~~where~~

V_l represents a surface potential of the ~~[[said]]~~ image bearing member, which ~~member that~~ has been exposed by said exposure means upon formation of a normal image;

V_{tr} represents a value of the transferring bias applied to said transferring means upon transferring of the normal image;

V_d represents a surface potential of the ~~[[said]]~~ image bearing member, which ~~member that~~ has been charged by said charging means upon formation of the test pattern; and

V_{tr} represents a value of the transferring bias applied to said transferring means upon transferring of the test pattern.

3. **(Original)** An image forming apparatus according to claim 1, wherein a developing bias for supplying the developer is applied to said developing means, and wherein a value of the developing bias upon formation of a normal image is different from a value of the developing bias upon formation of the test pattern.

4. **(Currently Amended)** An image forming apparatus according to claim 1, wherein a value of a surface potential of the ~~[[said]]~~ image bearing member, which ~~member that~~ has been charged by said charging means upon formation of a normal image

is different from a value of a surface potential of the ~~[[said]]~~ image bearing member, which member that has been charged by said charging means upon formation of the test pattern.

5. **(Currently Amended)** An image forming apparatus comprising:

charging means, to which a charging bias is applied, for charging an image bearing member;

exposure means for exposing the ~~[[said]]~~ image bearing member, which member that has been charged to form an electrostatic latent image;

developing means for developing the ~~[[said]]~~ electrostatic latent image with developer;

transferring means, to which a transferring bias under constant voltage control is applied, for transferring a developer image on the image bearing member onto an other member;

test pattern forming means for forming a test pattern for image control on the ~~[[said]]~~ image bearing member by supplying developer by said developing means to an area on the ~~[[said]]~~ image bearing member in which charging by said charging means is effected and exposure by said exposure means is not effected;

test pattern detection means for detecting the test pattern, which pattern that has been transferred to the other member by said transferring means; and

control means for setting a value of the transferring bias upon transferring of the test pattern onto the other member in accordance with a value of the charging bias applied to said charging means upon formation of the test pattern.

6. **(Currently Amended)** An image forming apparatus according to claim 5, wherein said control means sets a value of V_{tr} in such a way that a potential difference between V_l and V_{tr} is substantially equal to a potential difference between V_{pre} and V_{tr}

where: ~~where~~

V_l represents a surface potential of the ~~the~~ $[[said]]$ image bearing member, which ~~member that~~ has been exposed by said exposure means upon formation of a normal image;

V_{tr} represents a value of the transferring bias applied to said transferring means upon transferring of the normal image;

V_{pre} represents the charging bias applied to said charging means upon formation of the test pattern; and

V_{tr} represents a value of the transferring bias applied to said transferring member upon transferring of the test pattern.

7. **(Original)** An image forming apparatus according to claim 5, wherein a developing bias for supplying the developer is applied to said developing means, and wherein a value of the developing bias upon formation of a normal image is different from a value of the developing bias upon formation of the test pattern.

8. **(Original)** An image forming apparatus according to claim 5, wherein a value of the charging bias applied to said charging means upon formation of a normal image is different from a value of the charging bias applied to said charging means upon formation of the test pattern.

9. **(Currently Amended)** An image forming apparatus comprising:

charging means for charging an image bearing member;

exposure means for exposing the ~~[[said]]~~ image bearing member, which member ~~that~~ has been charged to form an electrostatic latent image;

developing means, to which a developing bias is applied, for supplying the ~~[[said]]~~ image bearing member with developer;

transferring means, to which a transferring bias under constant voltage control is applied, for transferring a developer image on the image bearing member onto an other member;

test pattern forming means for forming a test pattern for image control on the ~~[[said]]~~ image bearing member by supplying developer by said developing means to an area on the ~~[[said]]~~ image bearing member in which charging by said charging means is effected and exposure by said exposure means is not effected;

test pattern detection means for detecting the test pattern, which pattern ~~that~~ has been transferred to the other member by said transferring means; and

control means for setting a value of the transferring bias upon transferring of the test pattern onto the other member in accordance with a value of the developing bias upon formation of the test pattern.

10. **(Currently Amended)** An image forming apparatus according to claim 9, wherein said control means sets a value of V_{tr} in such a way that a potential difference between V_{dc} and V_{tr} is substantially equal to a potential difference between V_{dc} and V_{tr} where: ~~where~~

V_{dc} represents a value of the developing bias applied to the developing means upon formation of a normal image;

V_{tr} represents a value of the transferring bias applied to said transferring means upon transferring of the normal image;

V_{dc} represents a value of the developing bias applied to said developing means upon formation of the test pattern; and

V_{tr} represents a value of the transferring bias applied to said transferring member upon transferring of the test pattern.

11. **(Currently Amended)** An image forming apparatus according to claim 9, wherein a value of a surface potential of the ~~[[said]]~~ image bearing member, which ~~member that~~ has been charged by said charging means upon formation of a normal image is different from a value of a surface potential of the ~~[[said]]~~ image bearing member, which ~~member that~~ has been charged by said charging means upon formation of the test pattern.